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Hollinger Corp.
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1874 E

DESCRIPTION

—OF THE—

Universal Time Dial

REGULATOR

—WITH—

TIME DIAL.

—AND—

Valuable and Interesting Information of the Time of the most important cities in the World.

LIBRARY OF CO
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WASHINGT

MANUFACTURED AND SOLD BY

F. NIEHAUS,

Watchmaker AND Jeweler,

No. 807 North Fourth Street,

ST. LOUIS.

PRICE 25 CENTS.

Entered according to Act of Congress in the Year 1874 by F. Niehaus in the Office of the Librarian of Congress at Washington D. C.

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THE

Universal Time Dial

REGULATOR.

The Clock is 5½ feet long and 22 inches wide, the center Dial is 12 inches, with steel hands, and the small Dials are 3 inches, with gilt hands and all white Dials, also the back ground, (or dish) of the small Dials is gilt.

It is a Regulator Movement, equal to any other made in this country, and warranted to keep time.

It runs eight days by a weight and has a long Pendulum. The Case is made of the finest black walnut, the Tossels and the lower Glass is splendidly ornamented with gilding and is the showiest and richest Clock made, besides the practical use of the different times.

It shows, besides the Local Time, the time of 15 different places, and is an ornament for a Hotel, Saloon, Office &c.

MANUFACTURED BY

F. NIEHAUS,

807 N. Fourth Street,

ST. LOUIS, MO.

Patented, March 26th, 1872.

ORDERS PROMPTLY ATTENDED TO.

DIFFERENCES OF TIME

Between St. Louis and the principal cities of the World.

INLAND CITIES.

	St. Louis.
Albany, N. Y.	1.06 f
Atchison, Ks.	.20 s
Baltimore, Md.	.55 f
Boston, Mass.	1.17 f
Buffalo, N. Y.	.45 f
Cairo, Ill	.05 f
Charlestou, S. C.	.41 f
Chicago, Ill.	.10 f
Cincinnati, O	.23 f
Cleveland, O.	.34 f
Columbus, O.	.29 f
Davenport, Ia.	.02 s
Dayton, O.	.24 f
Des Moines, Ia.	.14 s
Detroit, Mich.	.29 f
Dubuque, Ia.	.02 s
Evansville, Ind.	.10 f
Ft. Wayne.	.20 f
Harrisburg	.54 f
Hartford, Conn.	1.10 f
Indianapolis.	.17 f
Jackson, Miss.	same
Jacksonville, Ill.	same
Jefferson City, Mo.	.08 s
Kansas City.	.18 s
Lansing, Mich	.23 f
Leavenwoath.	.18 s
Little Rock.	.08 s
Louisville, Ky	.19 f
Madison, Wis.	.03 f
Memphis	same
Milwaukee	.09 f
Mobile, Ala.	.09 5
Montreal, Canada.	1.07 f
Nashville, Tenn.	.14 f
Newark, N. J.	1.06 f
New Haven.	1.16 f
New Orleans	.01 f
New York.	1.05 f
Niagra Falls.	.45 f
Norfolk.	.56 f
Omaha	.23 s
Peoria, Ill.	.02 f
Philadelphia	1.00 f
Pittsburg.	.41 f

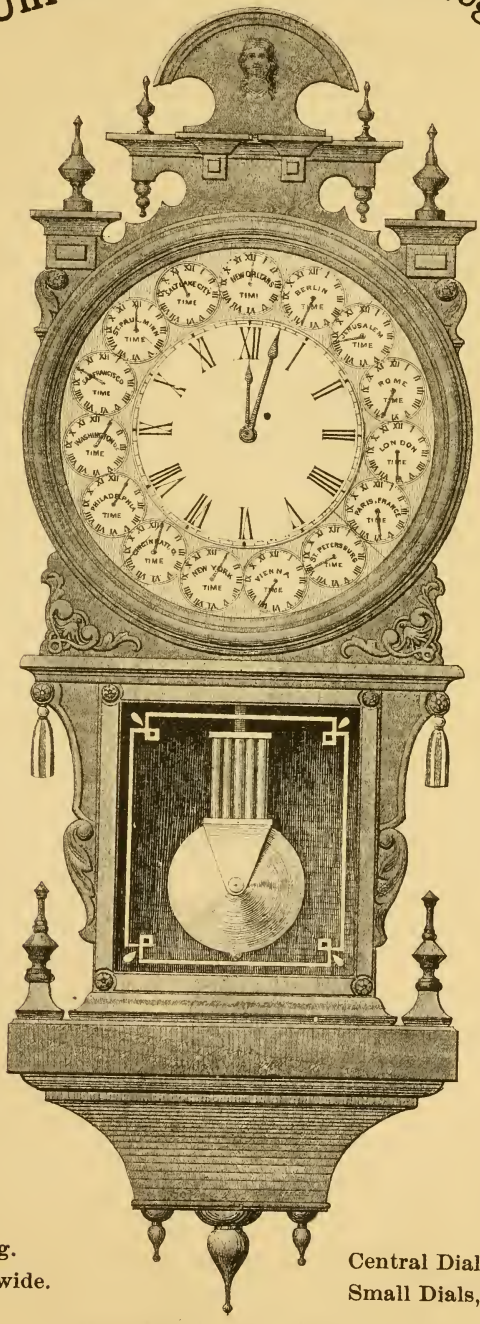
INLAND CITIES—Continued.

	St. Louis.
Portland, Me.	1.20 f
Providence.	1.15 f
Quincy, Ill.	06 s
Richmond, Va	.51 f
Rochester, N. Y.	.58 f
Sacremento, Cal	2.05 s
Salt Lake City.	1.27 s
San Francisco.	2.09 s
Saratoga	1.06 f
Savannah	.37 f
Sioux City, Ia.	.25 s
Springfield, Mass.	1.11 f
Springfield, Ill.	.03 f
St. Joseph, Mo.	.19 s
St. Paul, Minn.	.11 s
Terre Haute.	.11 f
Toledo, O	.27 f
Topeka, Kan.	.22 s
Toronto, Canada.	.43 f
Trenton, N. J.	1.02 f
Vicksburg.	.02 s
Washington, D. C	.53 f
Wheeling.	.38 f
Winona, Minn.	.06 s

FOREIGN CITIES.

	St. Louis.
Calcutta, India.	11 06 f
Jarusalem.	8.21 f
St. Petersburg.	8.02 f
Vienna.	7.06 f
Berlin.	6.54 f
Rome.	6.50 f
London	6 00 f
Paris	6.10 f
Geneva.	6.25 f
Hamburg.	6.40 f
Cape of Good Hope.	7.15 f
Moscow	8.13 f
Munich.	6.47 f
Mannheim.	6.35 f
Liverpool	5.49 f
Leipsic.	6.50 f
Copenhagen	6.51 f
Goettingen	6.40 f

The Universal Time Dial Regulator.



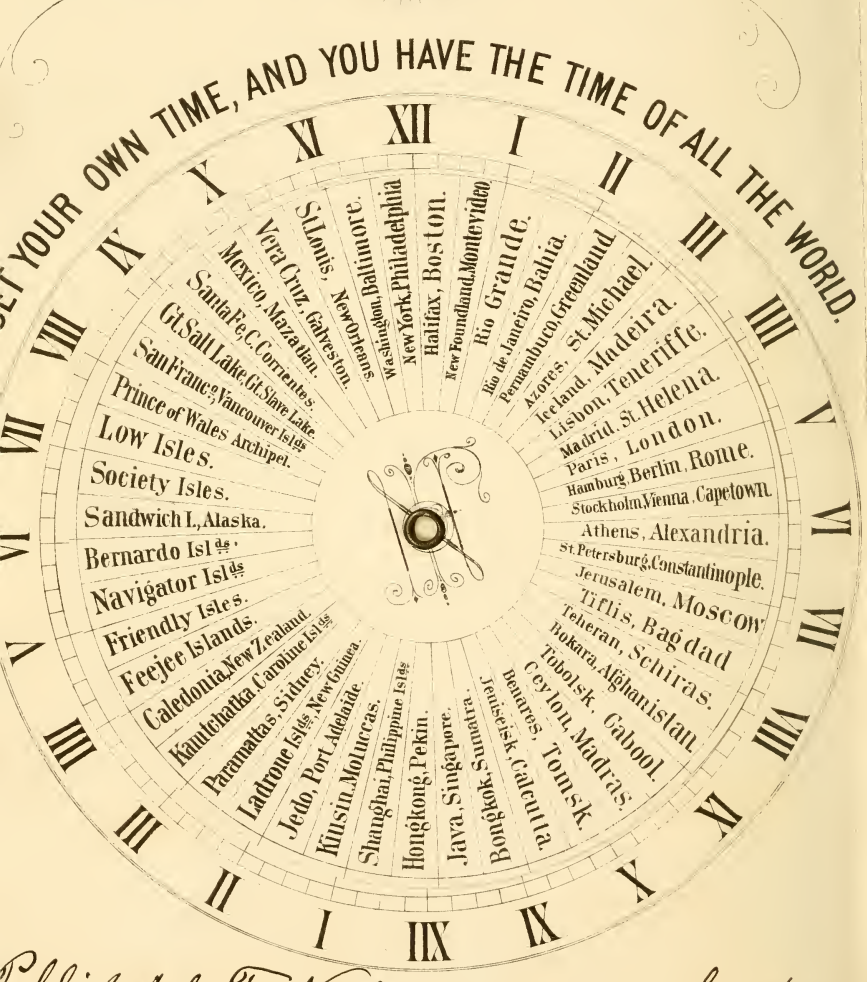
5½ feet long.
22 inches wide.

Central Dial, 12 inches.
Small Dials, 3 inches.

TIME DIAL

ON THE

24 HOUR SYSTEM.



Published by F. Niehaus 807 N. 4th Street
St. Louis 1874

C. Hamilton & Co. Lith. St. Louis

THE TIME DIAL.

The Time Dial on the 24 Hour system is very interesting to students, and will at once refer them to the Map or Atlas and see whether it is correct and will encourage them to study the same.

It is also very entertaining when on a Journey of a great distance, seeing that your good reliable Watch give out in time, then do not blame your Watch, but take this Time Dial and set it to your time and if you find your time, say one Hour, to slow you have then traveled 1-24 part of the circumferance of the Earth, Eastwardly. If you started from St. Louis you are perhaps in New York. In traveling West and your Watch is two Hours too fast you must be in California or some 2,000 miles West; so your Watch will always show, if you take notice, how many parts or miles of the circumference of the Earth you traveled East or West.

Take Twenty-four Thousand miles as the circumference of the Earth, (on the Equator) then one Hour difference in time is equal two One Thousand miles, but as the Meridians run to a point to the Poles, we must make the proportional division in miles considering the Latitude on which we travel, so that if we could make a trip around the Earth, One Thousand miles in equal distance from the Pole, (which would be about 2,400 miles) then every Hour difference in time would be counted 100 miles traveling (or distance) and so in proportion.

On the Geographical Maps the Meridian lines, running North and South, are 36, (ought to be 24) therefore one Hour will be equal to 1½ Meridians. If you travel from St. Louis Eastwards and find your Watch (providing it is a correct time piece and is steadily kept running) three Hours too slow, you must be half ways between St. Louis and London. And by looking on your map and count the Meridian lines you can easily make out what place or Island you pass, and therefore it is a very interesting and entertaining study in crossing the Ocean.

F. NIEHAUS,

Watchmaker and Jeweller,

AND MANUFACTURER OF THE

UNIVERSAL TIME DIAL REGULATOR,

No. 807 N. Fourth Street, **ST. LOUIS, MO.**

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